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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/723,615

11/26/2003

Craig Baker

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1139

7590

06/30/2004

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EXAMINER

NGUYEN, PHUONGCHI T

ART UNIT

PAPER NUMBER

2833

DATE MAILED: 06/30/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/723,615

Applicant(s)

BAKER ET AL.

Examiner

Phuongchi Nguyen

Art Unit

2833

AEE

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-22 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-22 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. ____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____.
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date ____.
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: ____.

Art Unit: 2833

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1, 3-5, 7-16 and 18-22 are rejected under 35 U.S.C. 102(b) as being anticipated by Winkler (US3654586).

In regarding to claim 1, Winkler discloses (figure 1) a connector comprising a housing (10); one or more interface passages (24, 26) formed in the housing (10), each of the interface passages (24, 26) having an outer perimeter (circumference of end 24, 26), wherein at least one portion of the outer perimeter (circumference of end 24, 26) is spaced in or spaced out (figure 2) from at least one adjacent portion of the outer perimeter (circumference of end of 24, 26); one or more connector passages (the rear through hole passages connected to interface passage 24, 26, and adjacent ends cable 18, 18') formed in the housing (10), each of the connector passages (the rear through hole passages connected to interface passage 24, 26, and adjacent ends cable 18, 18') is connected to one of the interface passages (24, 26), and an electrical contact (16) is seated in each of the one or more interface passages (24, 26), is spaced from an opening (30) to each of the interface passages (24, 26), and extends in to the connector passage (the rear through hole passages connected to interface passage 24, 26, and adjacent ends cable 18, 18').

In regarding to claim 3, Winkler discloses (figure 1) the connector further comprising a pair of the interface passages (24, 26).

Art Unit: 2833

In regarding to claim 4, Winkler discloses (figure 1) the connector wherein the outer perimeters (circumference of end 24, 26) of the pair of interface passages (24, 26) are substantially mirror images of each other.

In regarding to claims 5 and 7, Winkler discloses (figures 1 and 2) the connector wherein an intermediary passage (38) connects the pair of interface passages (24, 26).

In regarding to claim 8, Winkler discloses the connector (figure 1) wherein the outer perimeters (circumference of end 24, 26) of the pair of interface passages (24, 26) are substantially identical to each other.

In regarding to claim 9, Winkler discloses the connector (figure 1) wherein each of the interface passages (24, 26) is sized to create a finger proof barrier (because Winkler's connector is similar to Applicant's connector; therefore, Winkler's connector is also sized to create a finger proof barrier).

In regarding to claim 10, Winkler discloses the connector (figure 1) wherein the electrical contact (16) is spaced in from (an outer perimeter of) an opening (38) to the interface passage (24, 26).

In regarding to claim 11, Marin et al discloses the connector (figure 1) wherein a portion of the interface passage (24, 26) spaced in from (an outer perimeter of) an opening (38) to the interface passage (24, 26), and (the outer perimeter of) the opening (38) has a configuration, which (smaller) differs from a configuration of the interface passage (24, 26) at (the outer perimeter of) the opening (38).

In regarding to the method of claims 12, 14, 15, 16, 18, 19, 10, 21, and 22, the method of forming a device is not germane to the issues of patentability of the device itself. Therefore, this limitation has not been given patentable weight.

Art Unit: 2833

3. Claims 1-3, 6, 12-14 and 17 are rejected under 35 U.S.C. 102(b) as being anticipated by Gerberding (US6383032B1).

In regarding to claim 1, Gerberding discloses (figure 1) a connector comprising a housing (10); one or more interface passages (20) formed in the housing (10), each of the interface passages (20) having an outer perimeter (circumference of 20), wherein at least one portion of the outer perimeter (circumference of 20) is spaced in or spaced out (figure 1) from at least one adjacent portion of the outer perimeter (circumference of 20); one or more connector passages (the rear through hole passages connected to interface passage 20, and adjacent to the rear end where contact located) (figure 5) formed in the housing (10), each of the connector passages (the rear through hole passages connected to interface passage 20, and adjacent to the rear end where contact located) is connected to one of the interface passages (20), and an electrical contact (rectangular dot line in figure 5) is seated in each of the one or more interface passages (20), is spaced from an opening (adjacent to 30) to each of the interface passages (20), and extends in to the connector passage (the rear through hole passages connected to interface passage 20, and adjacent to the rear end where contact located).

In regarding to claim 2, Gerberding discloses the connector wherein multiple portions of the outer perimeter (circumference of 20) are spaced in or spaced out from a portion of the outer perimeter (circumference of 20) adjacent each of the multiple portions (figure 5).

In regarding to claim 3, Gerberding discloses the connector further comprising a pair of the interface passages (20, 20).

In regarding to claim 6, Gerberding discloses the connector wherein the outer perimeters (circumference of 20) of the pair of interface passages (20 right, 20 left) are different each other (figure 2).

Art Unit: 2833

In regarding to the method of claims 12, 13, 14 and 17, the method of forming a device is not germane to the issues of patentability of the device itself. Therefore, this limitation has not been given patentable weight.

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Haitmanek (US5167542), Marin et al (US4990099), Miskin et al (US4915641) and Lincoln, III et al (US6089898) are cited to show the relative type of finger proof connector.

Conclusion


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phuongchi Nguyen whose telephone number is (571) 272-2012. The examiner can normally be reached on 8:00AM-4:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paula Bradley can be reached on (571) 272-2800 ext 33. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

PCN

June 23, 2004


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